

METHOD FOR GENERATING A REPRESENTATION OF A PARTICULAR SIGNAL AMONG A PLURALITY OF SIGNALS REPRESENTING LINES IN A DISPLAY

ABSTRACT OF THE DISCLOSURE

A method for generating a representation of a particular signal among video signals representing a display, the signals including a first component having a first bandwidth and a second component having a smaller second bandwidth, includes the steps of: (a) measuring first samples of the first component outside the second bandwidth for an interval in each signal; (b) measuring second samples of the second component inside the second bandwidth for the interval; (c) establishing factors based upon first samples; (d) establishing filter modes based upon second samples; (e) establishing a correlation between factors and filter modes; (f) filtering the signals using a selected filter mode; (g) identifying a selected factor according to the correlation for the selected filter mode; (h) employing the selected factor for weighted mixing of the samples to generate the representation for the time interval; and (g) repeating steps (a) through (h) until the representation is completed.